

INDEX OF SHEETS		
SHEET NO.	TITLE PAGE	
1	TYPICAL CROSS-SECTION OF IMPROVEMENT	
2	PLAN AND PROFILE STA. 0+00 TO STA. 14+00	
3	" " " " 14+00 " " 30+00	
4	" " " " 30+00 " " 46+00	
5	" " " " 46+00 " " 62+00	
6	" " " " 62+00 " " 78+00	
7	" " " " 78+00 " " 94+00	
8	" " " " 94+00 " " 105+00	
9	" " " " 105+00 " " 121+00	
10	" " " " 121+00 " " 135+00	
11	" " " " 135+00 " " 149+00	
12	" " " " 149+00 " " 160+00	
13	OF BRIDGES	
14-36	CROSS SECTIONS	

(To Be Returned To R.O.W. Division)
 Town of VT 12
 PERPETUAL
 RIGHT-OF-WAY DIVISION

STATE OF VERMONT STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT

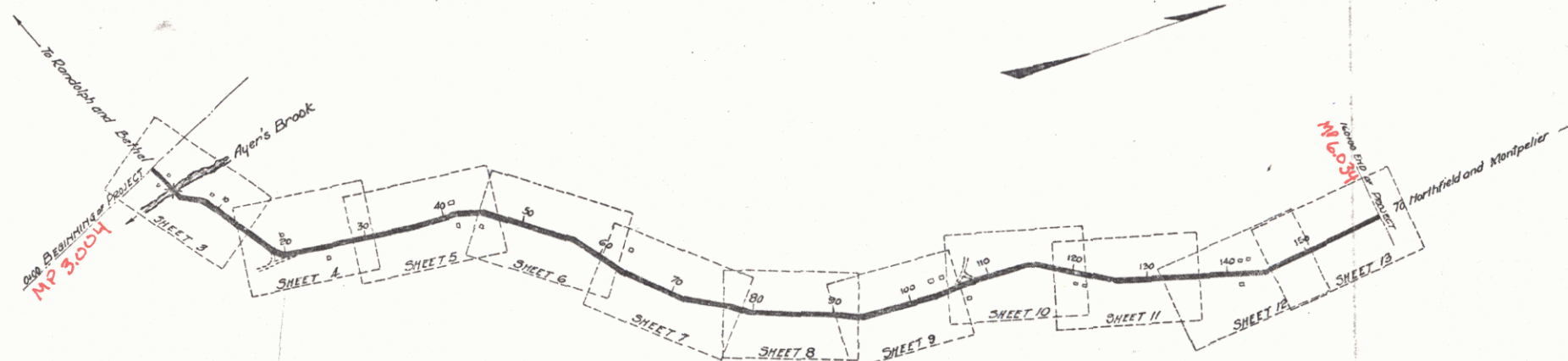
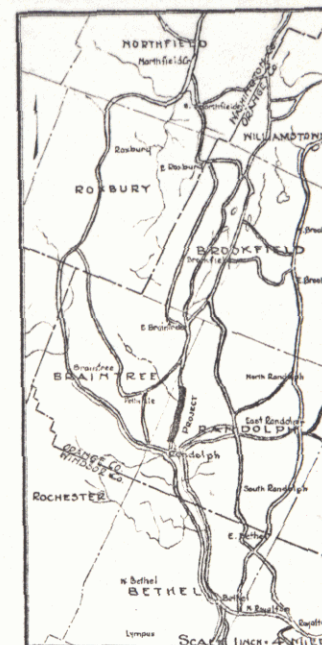
TOWN OF RANDOLPH
BROOKFIELD GULF ROAD
FROM NEWELL JONES'S HOUSE
TO
SILAS DASHNER'S NORTH LINE

Pin # 998946

Project F40

Rte. VT 12

SCALES { PLAN 1 IN = 50 FT.
PROFILE HORIZONTAL 1 IN = 50 FT. VERT 1 IN = 10 FT.
CROSS SECTIONS 1 IN = 5 FT.



LAYOUT
Scale: 1 inch = 1000 Feet

CONVENTIONAL SIGNS

COUNTY LINE
TOWN LINE
FENCE LINE
STONE WALL
UNFENCED PROPERTY
GUARD RAIL
TRAVELED WAY
RAILROAD
RETAINING WALL
CENTER & SURVEY LINE
CULVERT
DROP INLET
TROLLEY POLE
POWER POLE
TELEPHONE POLE
TREES
HEDGE

GROUND ELEVATION
GRADE ELEVATION
CURVE DATA
DEFLECTION ANGLE
DEGREE OF CURVE
RADIUS OF CURVE
TANGENT DISTANCE
LENGTH OF CURVE
EXTERNAL DISTANCE
POINT OF INTERSECTION
POINT OF CURVE
POINT OF TANGENT

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD
 CHIEF ENGINEER
 DEPARTMENT OF HIGHWAYS
 RECOMMENDED
 DISTRICT ENGINEER
 BUREAU OF PUBLIC ROADS
 RECOMMENDED FOR APPROVAL
 CHIEF ENGINEER - BUREAU OF PUBLIC ROADS
 APPROVED
 DIRECTOR - BUREAU OF PUBLIC ROADS

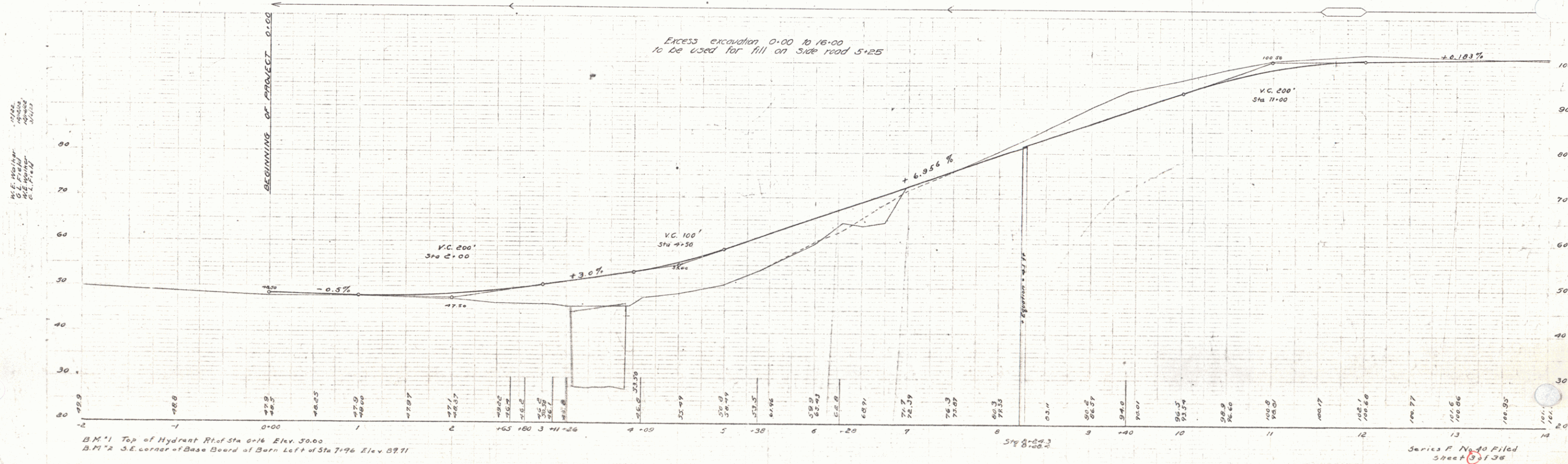
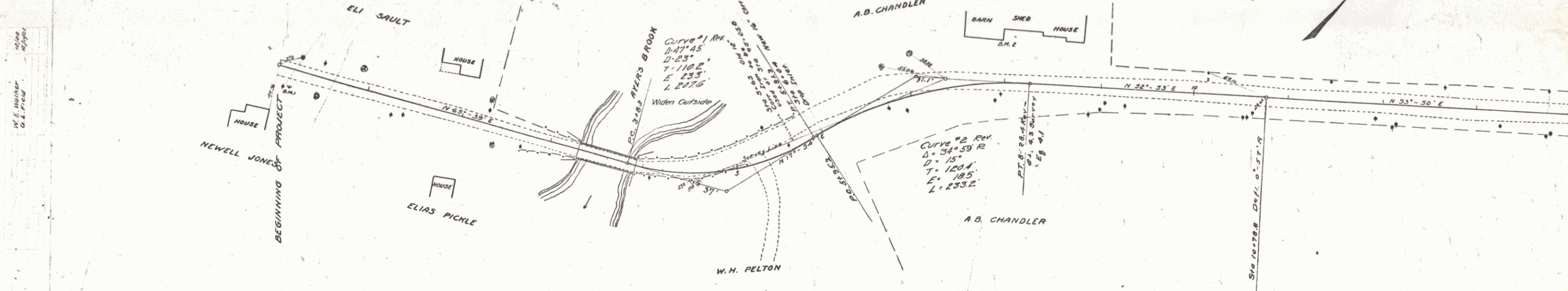
SERIES F No. 10 Filed
Sheet 1 of 36

DIST. # 4 PLANS

GUARD RAIL REQUIRED
 On Left
 Sta 2+54 to Sta 3+26 Length 72 feet
 " 3+98 " " 6+32 " 236 "
 On Right
 Sta 2+54 to Sta 3+26 Length 72 feet
 " 3+98 " " 5+00 " 112 "
 " 5+32 " " 5+72 " 40 "
 Side Road " " " 80 "
 Total this sheet 634 ft

NEW CULVERTS REQUIRED
 Sta 6+04 16" Corr I.P. Drop Inlet 3-ft
 1-24-3 Conc Headwalls 13 Cu yds

NO. ROAD DIST. NO.	STATE	FEED. AND PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	VT	40	1022	3



B.M. #1 Top of Hydrant Rtd Sta 0+16 Elev. 30.00
 B.M. #2 S.E. corner of Base Board of Barn Left of Sta 7+96 Elev. 59.71

Series F No. 40 Filed
 Sheet 3 of 3

GUARD RAIL REQUIRED

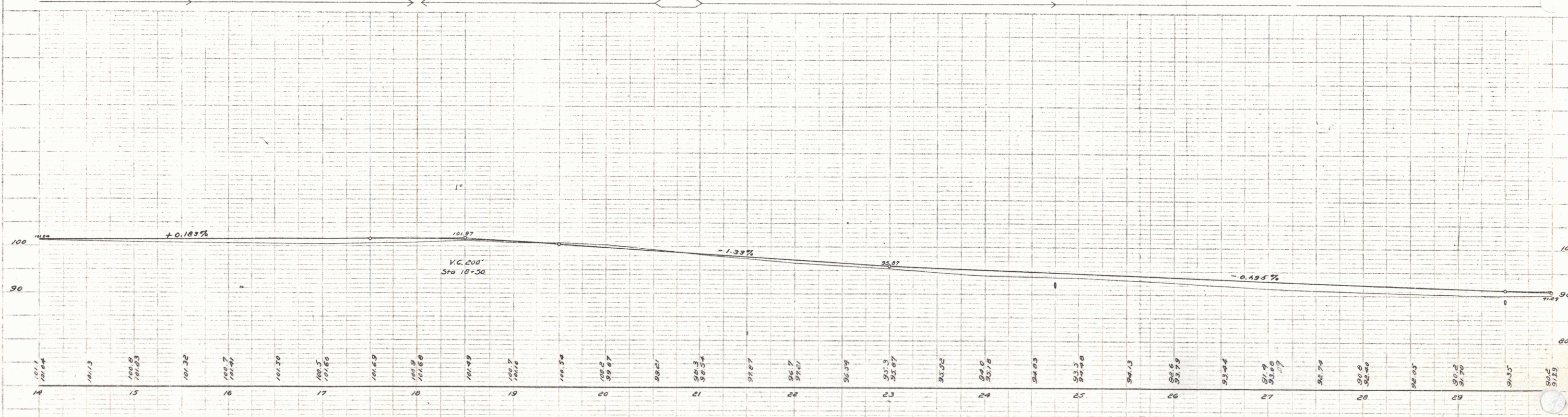
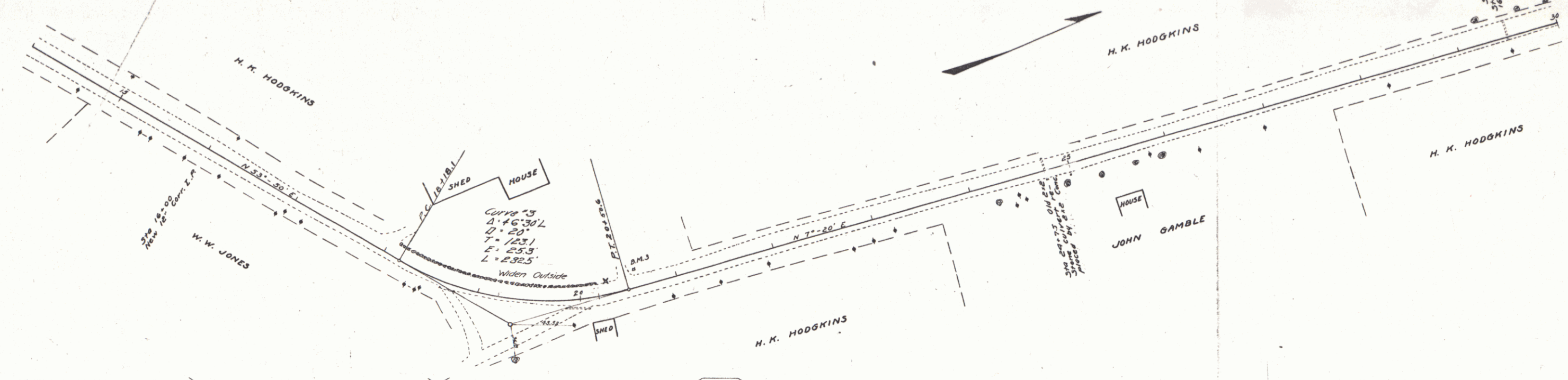
On Left		On Right	
Sta 13+00 to Sta 16+12	Length 24 ft.	Sta 13+00 to Sta 16+12	Length 24 ft.
24+63	24+67	24+63	24+67
29+30	29+62	29+30	29+62
Total this sheet 144 ft.			

NEW CULVERTS REQUIRED

Station	Structure	Length	Material
Sta 16+00	12" Corr Iron	26 ft.	1 cu yd.
	1-2% Conc. Headwalls		
Sta 24+73	2x2 Concrete	5.3 cu yds	
	1-2% "	7.1 cu yds	
Sta 29+30	16" Corr Iron	28 ft.	
	1-2% Conc. Headwalls	15 cu yds	

SUB BASE REQUIRED
Sta 20+00 to Sta 30+00 length 1000 ft.

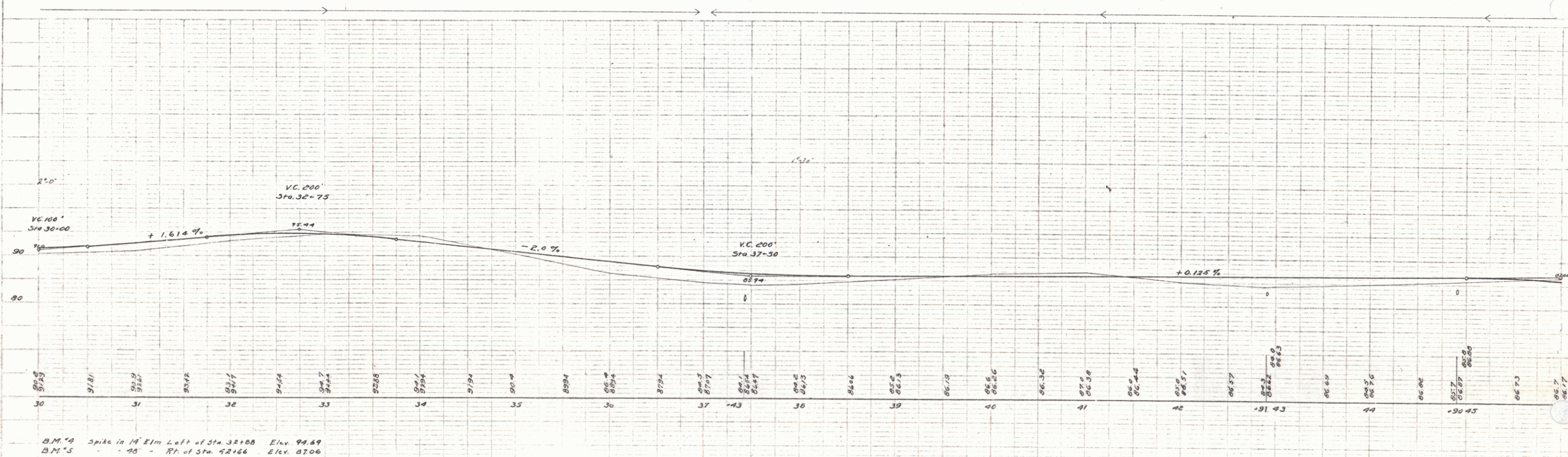
FEED	STATE	FEED	STATE	FEED	STATE	FEED	STATE	FEED	STATE
9	VI	40	1921	4	36				



B.M. *3 N.E. corner Base of N. Gate post E. Entrance Left of Sta. 20+42 Elev. 100.14

Series F No 40 Filed
Sheet 36

GUARD RAIL REQUIRED	NEW CULVERTS REQUIRED	SUB-BASE REQUIRED
ON LEFT		
Sta 35+00 to Sta 39+28 Length 328 ft	Sta 37+43 16" Corr Iron 42 ft.	Sta 30+00 to Sta 35+50 length 550 ft.
" 42+79 " 43+03 " 24 "	1-2 1/2 Conc. Headwalls 1.5 cu yds.	
ON RIGHT		
Sta 36+00 to Sta 37+76 Length 176 ft	Sta 42+91 14" Corr Iron 32'	
" 42-79 " 43+03 " 24 "	1-2 1/2 Conc Headwalls 1 cu yd.	
Total this sheet 552 ft		



4

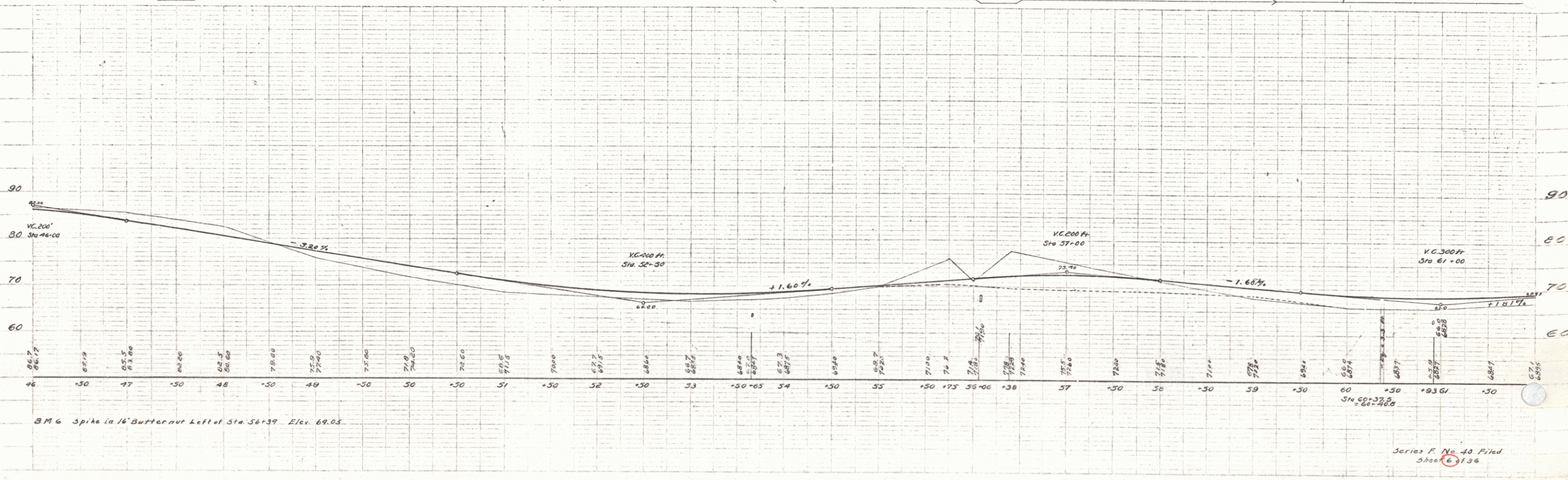
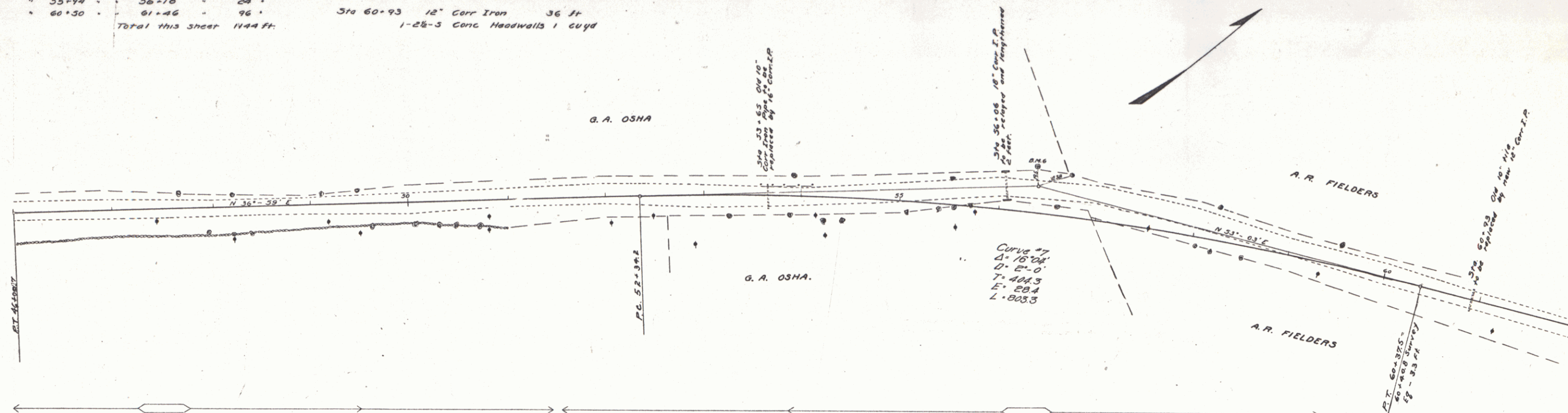
GUARD RAIL REQUIRED
 ON LEFT
 Sta 46+50 to Sta 54+26 Length 776 ft.
 " 55+94 " 56+18 " 24 "
 " 60+00 " 62+00 " 200
 ON RIGHT
 Sta 53+53 to Sta 53+77 Length 24 ft.
 " 55+94 " 56+18 " 24 "
 " 60+50 " 61+26 " 96 "
 Total this sheet 1144 ft.

NEW CULVERTS REQUIRED
 Sta 53-65 16" Corr Iron 40 ft
 1-2 1/2-3 Conc. Headwalls 1.5 cu yds
 Sta 56+06 10" Corr Iron 2 ft
 1-2 1/2-3 Conc. Headwalls 1.5 cu yds
 Sta 60+93 12" Corr Iron 36 ft
 1-2 1/2-3 Conc. Headwalls 1 cu yd

RELAYING PIPE CULVERTS
 Sta 56+06 18" Corr Iron 28 ft
STANDARD UNDERDRAIN
 Sta 53+00 to Sta 55+00 200 ft

SUB-BASE REQUIRED
 Sta 54+75 to Sta 59+50 length 475 ft

FED. ROAD DIST. NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
9	VT	40	1922	6	36



Series F. No. 40 Filed
 Sheet 6 of 36

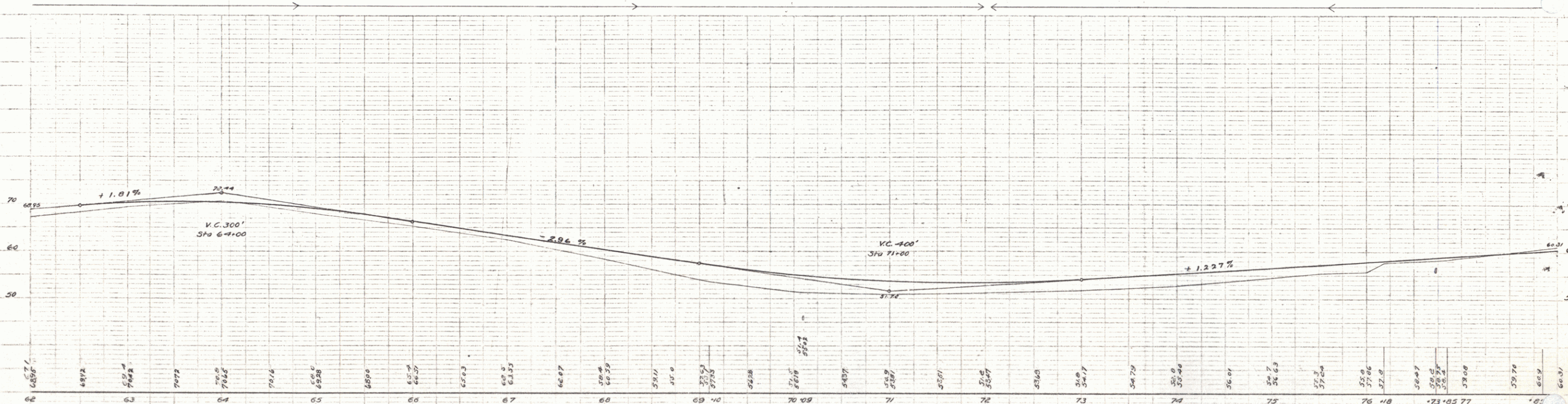
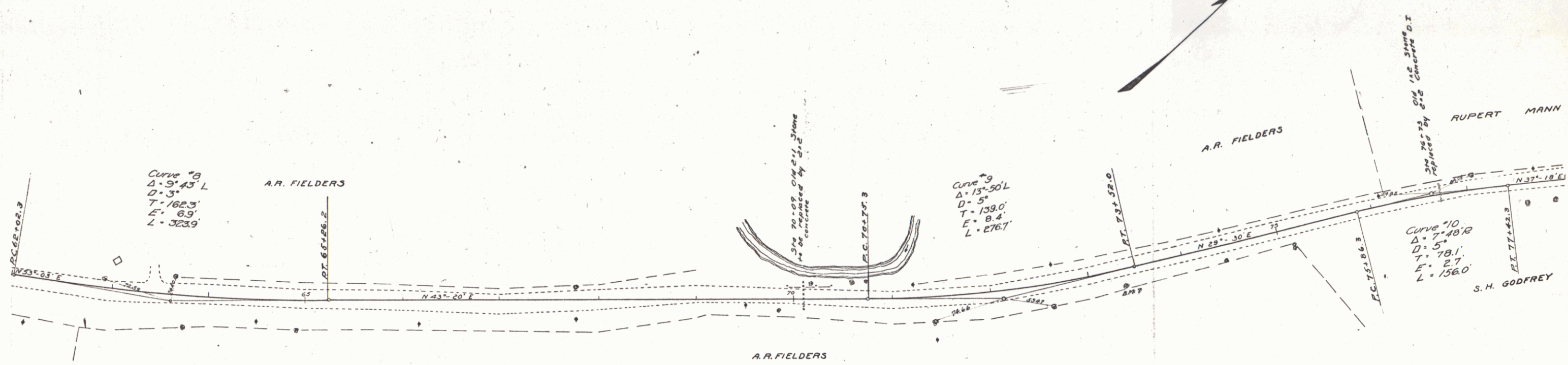
5

GUARD RAIL REQUIRED
 On Left
 Sta 62+00 to Sta 63+20 Length 120 ft.
 69+97 " 70+21 " 24 "
 75+75 " 76+07 " 112 "
 On Right
 Sta 69+97 to Sta 70+21 Length 24 ft.
 76+01 " 76+05 " 24 "
 Total this sheet 312 ft.

NEW CULVERTS REQUIRED
 Sta 70+09 2x2 Concrete 7.3 cu yds
 1-2-4 Concrete 9.1 "
 Sta 76+73 2x2 Concrete D.I. 6.0 cu yds
 1-2-4 Concrete 7.9 "
 1-2-5 " "

SUBBASE REQUIRED
 Sta 62+50 to Sta 68+50 length 600 ft
 Sta 71+00 to Sta 78+00 length 700 ft

FILE NO.	STATE	FED. AID	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT	40	1922	7	36



B.M. #7 Spike in 20' Elm Rt. of Sta. 73+36 Elev. 53.39

Series F. No. 40 Filed
 Dec. 13 1922

GUARD RAIL REQUIRED

Sta 78+60 to Sta 83+24 Length 456 ft	
On Left	
86+37	86+81 24 "
87+30	89+50 200 "
90+70	91+00 22 "
On Right	
Sta 78+60 to Sta 78+92 Length 24 ft	
80+70	80+94 24 "
86+37	86+81 24 "
90+70	91+00 22 "
Total this sheet	796 ft

NEW CULVERTS REQUIRED

Sta 78+80 12" Cor Iron 30 ft	
1-2 1/2-5 Conc. Headwalls 1 cu yd	
Sta 80+02 2x2 Concrete	
1-2-4 " 5.3 cu yds	
1-2 1/2-5 " 7.1 "	
Sta 90+90 2x2 Concrete	
12-4 " 5.3 cu yds	
1-2 1/2-5 " 7.1 cu yds	
Sta 86+69 24" Cor Iron 6 ft	
1-2 1/2-5 Conc. Headwalls 1.3 cu yds	

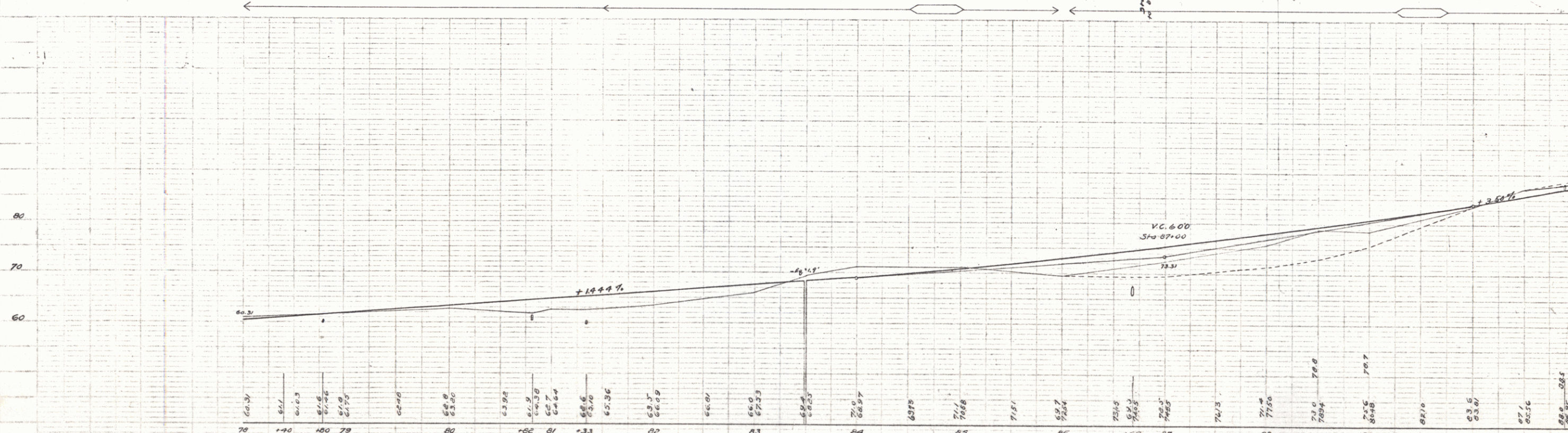
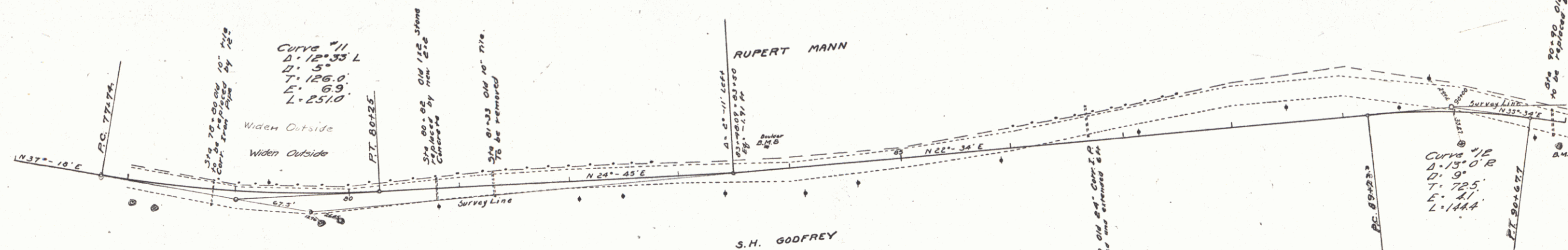
RELAYING PIPE CULVERTS

Sta 86+69 24" Cor Iron 30 ft	
1-2 1/2-5 Conc. Headwalls 1.3 cu yds	

SUBBASE REQUIRED

Sta 78+00 to Sta 91+00 length 1300 ft

DIST NO	SHEET NO	DATE	FILED NO	YEAR	SHEET NO	TOTAL SHEETS
9	40	1923	8	36		



B.M. 6 Top of Boulder Left of Sta 83+80 Elev 69.32
B.M. 9 Spike in Elm Rt of Sta 90+94 Elev 70.67

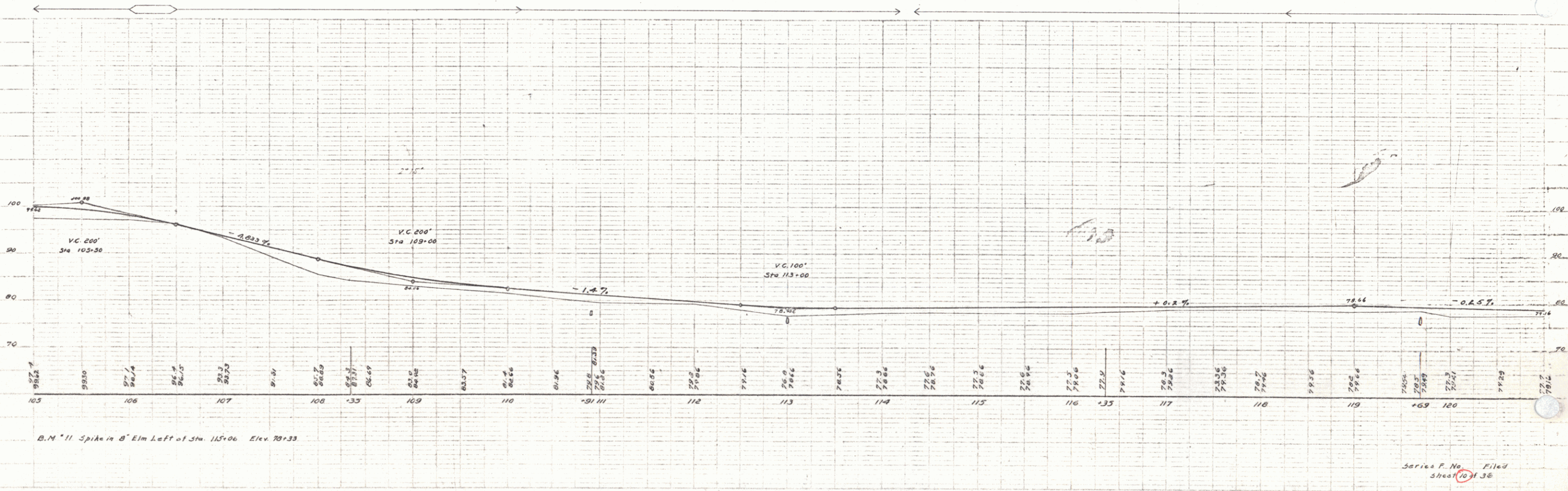
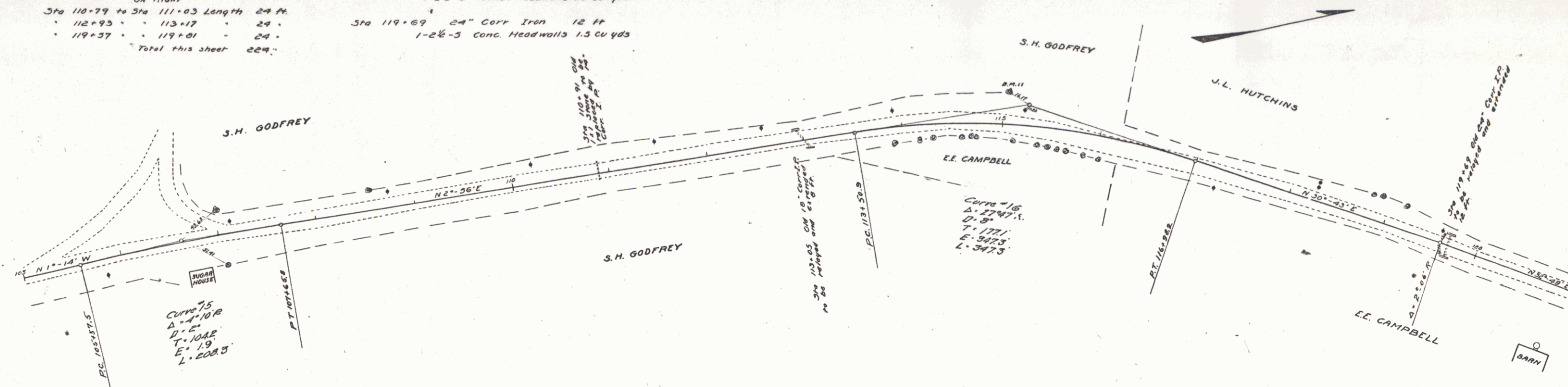
Series F No. 40 Filed
Sheet 8 of 36

12/22	12/22/02	W.E. Walker	G.L. Field
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12/22	W.E. Walker
12/14/22	G.L. Field
12/14/22	W.E. Walker
2/6/23	G.L. Field

SUBBASE REQUIRED

Sta 105+00 to Sta 121+00 length 1600 ft



GUARD RAIL REQUIRED

On Left			
Sta 123+10 to Sta 123+42	Length	24 ft.	
126+75	126+91	16	
127+03	126+21	16	
129+40	135+00	360	
On Right			
Sta 123+10 to Sta 123+42	Length	24 ft.	
126+75	126+91	16	
127+03	127+21	16	
130+92	131+16	24	
Total this sheet 696			

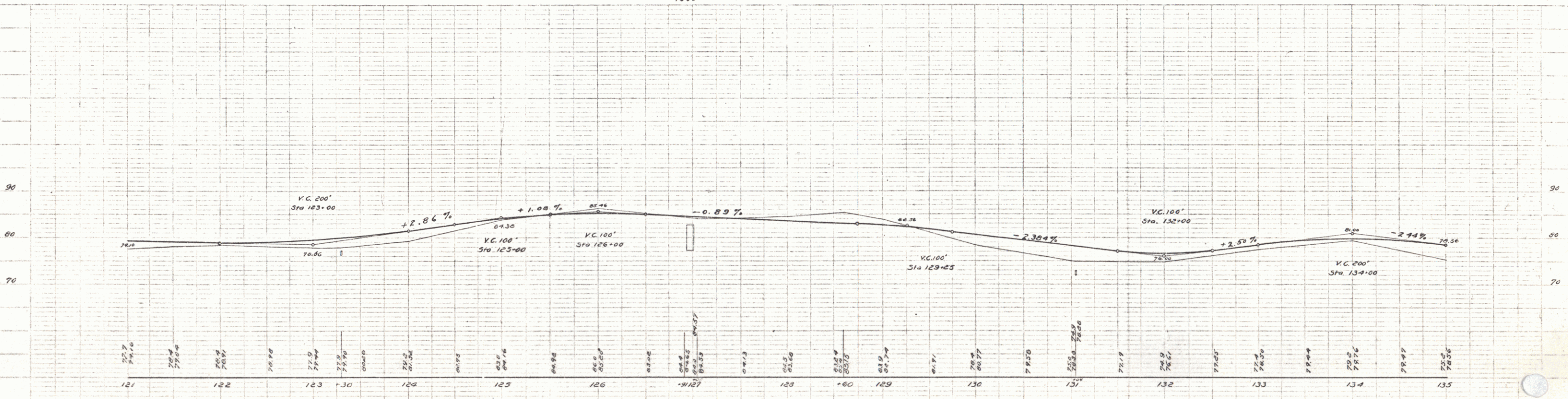
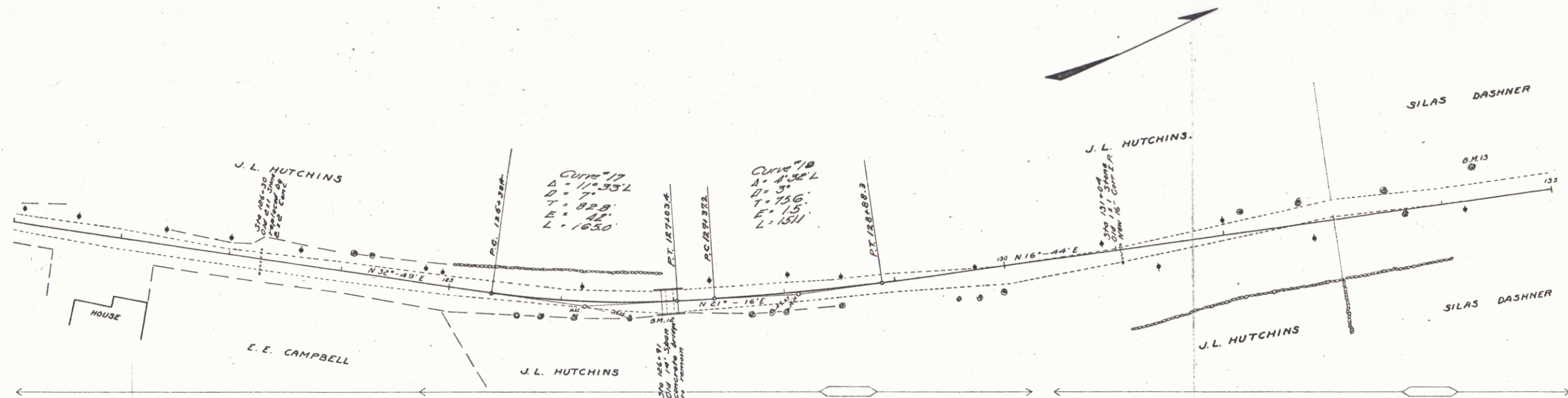
NEW CULVERTS REQUIRED

Sta 123+30	2x2 Concrete	
126+4	"	3.3 cu yds
128+3	"	7.1 "
Sta 131+04	16" Corrugated Iron	30 ft.
		1-2 1/2-3 Conc. Headwalls 1.5 cu yds

SUBBASE REQUIRED

Sta 121+00 to Sta 126+91	length	591 ft.
Sta 127+03 to Sta 129+50	length	243 ft.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SECTION	SHEET NO.	TOTAL SHEETS
9	VT	40	1922	11	36



B.M. #12 Top S. End of E. Bridge Rail Rt. of Sta. 126+91 Elev. 87.93
 B.M. #13 Spike in 30" Elm Left of Sta. 134+30 Elev. 76.33

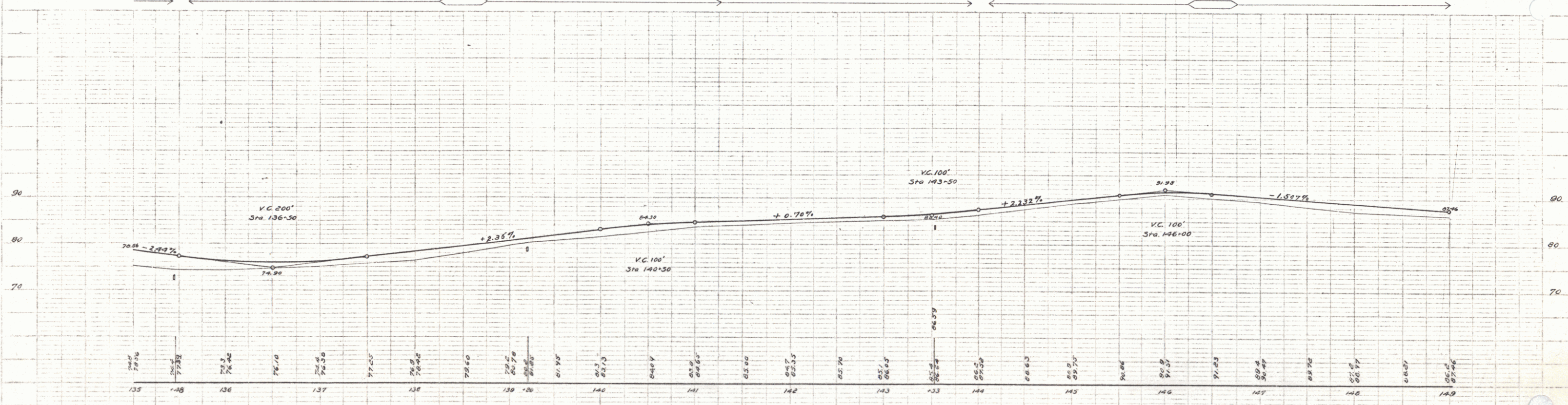
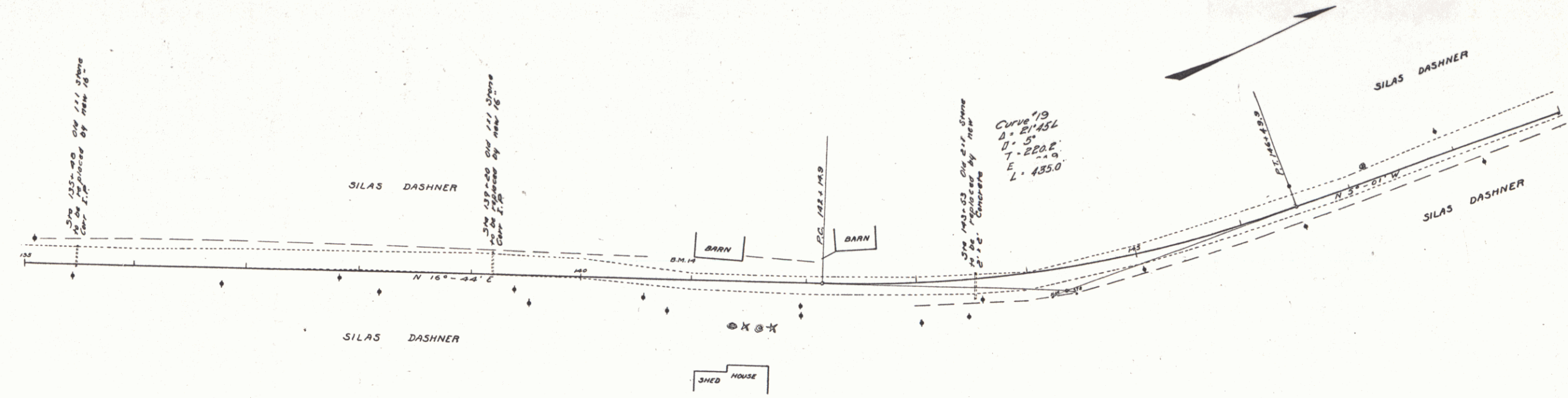
Series F No. 40 Filed
 Sheet 11 of 36

GUARD RAIL REQUIRED
 On Left
 Sta 135+00 to Sta 135+80 Length 80 ft
 " 139+00 " " 139+32 " 32 "
 " 143+40 " " 147+40 " 400 "
 On Right
 Sta 135+36 to Sta 135+80 Length 44 ft
 " 139+00 " " 139+32 " 32 "
 " 143+40 " " 143+64 " 24 "
 Total this sheet 584 "

NEW CULVERTS REQUIRED
 Sta 133+48 16" Corr Iron 34 ft
 1-2 1/2-3 Conc Headwalls 1.5 cu yds
 Sta 139+20 16" Corr Iron 26 ft
 1-2 1/2-3 Conc Headwalls 1.5 cu yds
 Sta 143+53 2x2 Concrete
 1-2-4 " 6.5 cu yds
 1-2 1/2-3 " 0.3 "

SUBBASE REQUIRED
 Sta 136+80 to Sta 149+00 length 1220 ft

FEED ROAD	STATE	FILE NO.	FILE SHEET	TOTAL
9	VI	40	1922	12 36



B.M. 18 Stone under S.E. corner of Barn left of Sta. 141+03 Elev. 85.87

Series F. No. 40 Filed
 Sheet 12 of 36

GUARD RAIL REQUIRED
 ON LEFT
 Sta 149+63 to Sta 149+87 Length 24 ft
 " 156+30 " " 158+94 " 26 ft
 ON RIGHT
 Sta 149+63 to Sta 149+87 Length 24 ft
 " 158+70 " " 158+94 " 24 ft
 Total this sheet 336 lin. ft

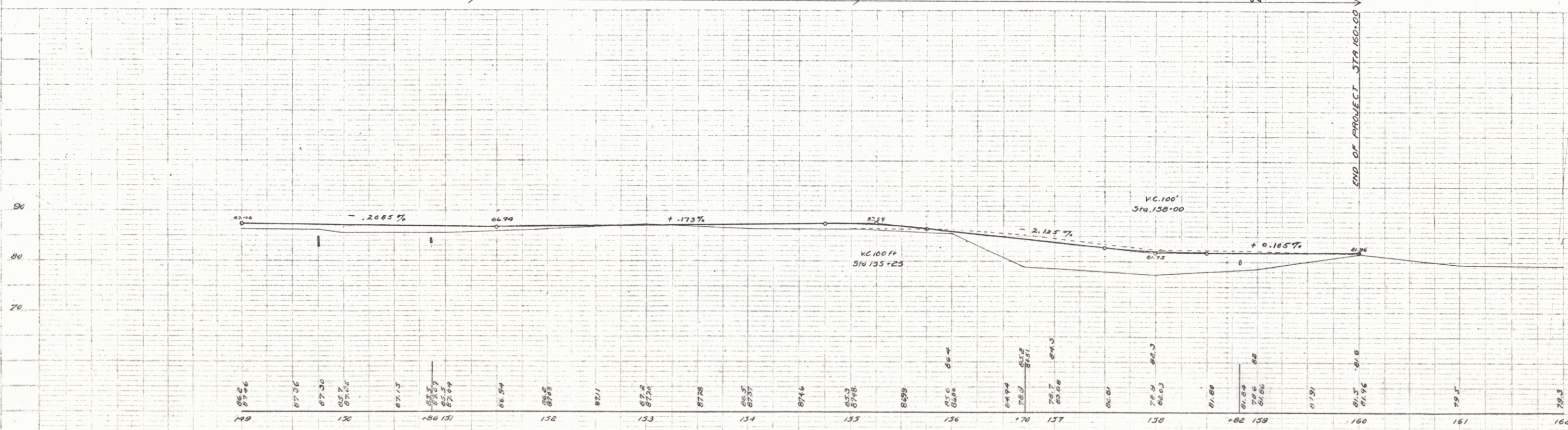
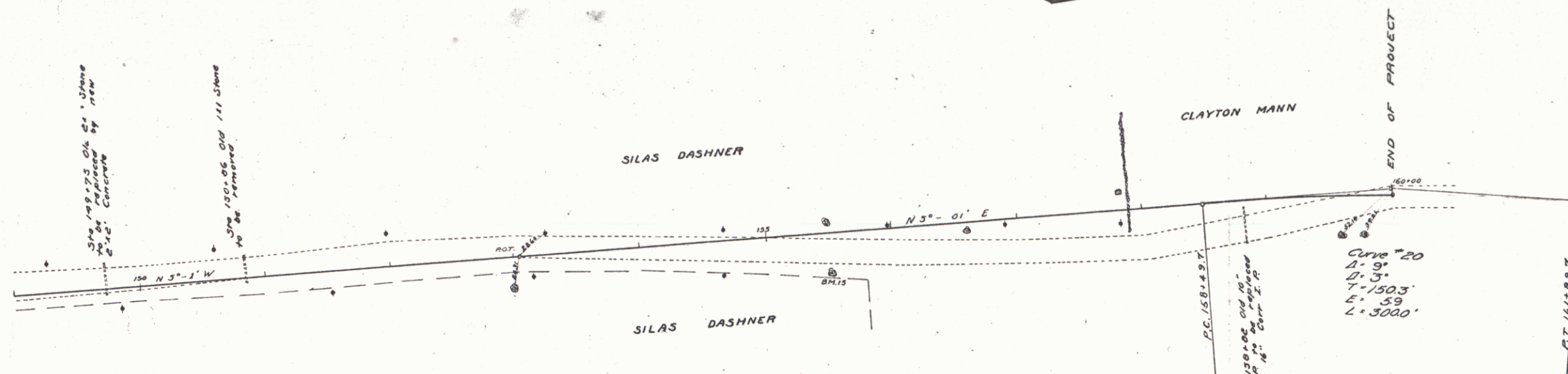
NEW CULVERTS REQUIRED
 Sta 149+75 2x2 Concrete 3.3 cu yds
 1-2'-4 " 7.3 " "
 1-2 1/2'-5 " " "
 Sta 158+02 16" Cor. Iron 28 ft
 1-2 1/2'-5 Conc. Headwalls 1.5 cu yds

SUB BASE REQUIRED
 Sta 149+00 to Sta 156+50 length 750 ft

FILE NO.	DATE	BY	CHKD BY	REVISED	TOTAL SHEETS
9	VF	40	4021	13	38

W. E. Meyer
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B.M. 15 Spike in back side of Elm. Rt. of Sta. 155+50 Elev. 88.76

Series F No. 10 Filed
 Sheet 13 of 36